Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/18/2021 02:04 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125250	0	2.16	125438	2.22
Blue	F	SSC	125000	123405	-2	3.27	124389	3.24
Blue	E	FITC	14203	13686	-4	2.85	298	14.62
Blue	D	PE	25703	25366	-2	2.34	549	10.56
Blue	B	PerCP-Cy5-5	42104	41473	-2	3.24	922	14.62
Blue	A	PE-Cy7	34646	34060	-2	4.57	487	28.97
Red	C	APC	49824	48892	-2	2.80	1495	11.34
Red	A	APC-Cy7	39773	38535	-4	2.79	721	11.88
Violet	B	V450	7447	7120	-5	3.82	417	12.26
Violet	A	V500	31193	30089	-4	3.66	690	9.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21258	2.05	545	-11	N/A	N/A	Pass
Blue	F	SSC	54873	1.87	510	-2	N/A	N/A	Pass
Blue	E	FITC	54	53.22	481	-5	0.0474	149	Pass
Blue	D	PE	110	37.53	483	-2	0.3761	260	Pass
Blue	B	PerCP-Cy5-5	180	34.48	574	-3	0.0191	9	Pass
Blue	A	PE-Cy7	114	61.47	617	-3	0.0224	0	Pass
Red	C	APC	351	23.36	566	-1	0.0278	60	Pass
Red	A	APC-Cy7	201	23.97	541	-3	0.0058	173	Pass
Violet	B	V450	90	40.60	446	-3	0.0481	1621	Pass
Violet	A	V500	120	29.12	464	-3	0.0265	781	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.01	-31.73	1.08
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.40
Red	22.29	15.99 - 23.99	N/A	N/A	30.20	30.43	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11657

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments